im UNITED STATES DEPARTMENT OF COMMERCE ited States Patent and Trademark C tress: COMMISSIONER FOR PATENTS

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# NOTICE OF ALLOWANCE AND FEE(S) DUE

21186

12/05/2003

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. P.O. BOX 2938 MINNEAPOLIS, MN 55402

EXAMINER PERALTA, GINETTE

PAPER NUMBER

ART UNIT

DATE MAILED: 12/05/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/004.714	12/05/2001	Scott Meikle	303 4441185	2321

TITLE OF INVENTION: METHOD OF DEPOSITING TUNGSTEN NITRIDE USING A SOURCE GAS COMPRISING SILICON

APPLN, TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	03/05/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATEN PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHT THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPO PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM TH MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. TH STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOV REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (O AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WIL BE REGARDED AS ABANDONED.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is n claiming SMALL ENTITY status, check the box below and enclo the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

□ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) w your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail St p ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10:004,714 12:05:2001 Scott Meikle 303.444US5 2321  TITLE OF INVENTION: METHOD OF DEPOSITING TUNGSTEN NITRIDE USING A SOURCE GAS COMPRISING SILICON  APPLN. TYPE SMALL ENTITY INSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1330 \$300 \$1630 03:05:2004  EXAMINER ART UNIT CLASS-SURCLASS  PERALITA, GINETTE 2814 227-306000  C'HA 1.28).  C'HA 1.28).  C'HA 1.28).  C'HA 1.28).  C'HA 1.28).  A SIGNEE For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents. OR, alternatively, (2) the name of a single frequency of correspondence address (in Change of Correspondence address of up to 3 registered patent attorneys or agents (in Change of Up to 1 registered patent attorneys or agents (in Change of Up to 1 registered patent attorneys or agents (in Change of Up to 1 registered patent attorneys or agents (in Change of Up to 1 registered patent attorneys or a				or <u>Fax</u>	(703) 746-4000		
Note: A certificate of mailing can only be used for demestic mailings of the process of the control of the co	INSTRUCTIONS: This for appropriate. All further co- indicated unless corrected maintenance fee notification	orm should be used for tran rrespondence including the below or directed otherwise ns.	smitting the ISSU Patent, advance or in Block 1, by (a	E FEE and PUBI ders and notificati ) specifying a new	ICATION FEE (if requirements of maintenance fees correspondence address	aired). Blocks 1 through 4 s will be mailed to the current s; and/or (b) indicating a sep	hould be completed wh correspondence address arate "FEE ADDRESS"
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SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. P.O. BOX 2938 MINNEAPOLIS, MN 55402  **REST OF Contract of Mailing or Transmission in Large Service with sufficient postage for first class mail in an enve addressed to the Mail Stop 158FF in address above, or being facility or contract of the Mail Stop 158FF. In address above, or being facility or contract of the Mail Stop 158FF. In address above, or being facility or contract of the Mail Stop 158FF. In address above, or being facility or contract of the Mail Stop 158FF. In address above, or being facility or contract of the Mail Stop 158FF. In address above, or being facility or contract of the Mail Stop 158FF. In address above, or being facility or contract of the Mail Stop 158FF. In address above, or being facility or contract of the Mail Stop 158FF. In address above, or being facility or contract o					Fec(s) Transmittal, T papers. Each addition	his certificate cannot be used al paper, such as an assignm	for any other accompany ent or formal drawing, m
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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/004/714 12/05/20/01 Scott Meikle 30.3.444USS 2321  TITLE OF INVENTION: METHOD OF DEPOSITING TUNGSTEN NITRIDE USING A SOURCE GAS COMPRISING SILICON  APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1330 \$300 \$1630 \$03/05/20/04  EXAMINER ART UNIT CLASS-SUBCLASS  PERALTA, GINETTE 2814 257-306000  1. Change of correspondence address or indication of "Fee Address" (37 CPR 1.58). CPR 1.58). CPR 1.58). PERALTA, GINETTE 2814 257-306000  1. Change of correspondence address or indication of "Fee Address" (37 CPR 1.58). CPR 1.58). PERALTA, GINETTE 2814 257-306000  2. For printing on the patient front page, list (1) the names of up to 3 registered patient attorneys or agents. GR, alternatively, (2) the name of a single firm (thaving as a member a registered attorneys or agents. GR, alternatively, (2) the name of a single firm (thaving as a member a registered attorneys or agents. GR, alternatively, (2) the name of a single firm (thaving as a member a registered attorneys or agents. GR, alternatively, (2) the name of a single firm (thaving as a member are agistered attorneys or agents. GR, alternatively, (2) the name of a single firm (thaving as a member are agistered attorneys or agents. GR, alternatively, (2) the name of a single firm (thaving as a member are agistered attorneys or agents. GR, alternatively, (2) the name of a single firm (thaving as a member are agistered attorneys or agents. GR, alternatively, (2) the name of a single firm (thaving as a member are agistered attorneys or agents. GR, alternatively, (2) the name of a single firm (thaving as a member are agistered attorneys or agent and the names of up to 2 registered patient attorneys or agent and the names of up to 2 registered patient attorneys or agent and the names of up to 2 registered patient attorneys or agent attorneys or							(Depositor's na
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Publication Fee Advance Order - # of Copies Payment by credit card. Form PTO-2038 is attached. Payment by credit card. Form PTO-2038 is attached. Payment by credit card. Form PTO-2038 is attached. Phe Director is hereby authorized by charge the required fee(s), or credit any overpayment peposit Account Number.  Processor for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.  [Authorized Signature]  NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in						corporation of outer private gr	oup carry a governan
O Advance Order - # of Copies The Director is hereby authorized by charge the required fee(s), or eredit any overpayment Deposit Account Number (enclose an extra copy of this form).  Director for Patents is requested to upply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.  (Authorized Signature) (Date)  NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other parry in	☐ Issue Fee			A check in the	mount of the fee(s) is en-	closed.	
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NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in	Director for Patents is reque	sted to apply the Issuc Fee ar					
other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office	(Authorized Signature)		(Datc)				
This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 31 U.S. C. 13.31 CFR 1.14 This collection is	other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office						
This collection of information is required by 37 CFR 1.31. The information is required to obtain or retain a benefit by the public which is a to the (and by the LSPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including guthering, preparing, and submitting the estimated of the complete of			22313 1130.		1		



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Of Address: COMMISSIONER FOR PATENTS

P.O. Box 1450 Alexandria, Verginia 22313-1450 www.uspto.gov

DATE MAILED: 12/05/2003

APPLICATION NO.	F	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/004,714		12/05/2001	Scott Meikle	303.444US5	2321
21186	7590	12/05/2003		EXAM	INER
SCHWEGMA P.O. BOX 2938		PERALTA,	GINETTE		
MINNEAPOLI		102		ART UNIT	PAPER NUMBER
,				2814	

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after t mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a ha months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date th determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retriev (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



#### UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandra, Vugina 22313-1450

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/004,714	12/05/2001	303.444US5	2321	
21186	7590 12/05/2003		EXAM	INER
	, LUNDBERG, WOE	PERALTA, GINETTE		
P.O. BOX 2938 MINNEAPOLIS,	MN 55402		ART UNIT	PAPER NUMBER
			2814	

DATE MAILED: 12/05/2003

#### Notice of Fee Increase on October 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2003, then t amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be increase in fees effective on October 1, 2003. See Revision of Patent Fees for Fiscal Year 2004; Final Rule, 68 Fe Reg. 41532, 41534 (July 14, 2003).

The current fee schedule is accessible from (http://www.uspto.gov/main/howtofees,htm).

If the fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due" but not the correct amount in vie of the fee increase, a "Notice of Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processi delays associated with mailing of a "Notice of Pay Balance of Issue Fee," if the response to the Notice of Allowan is to be filed on or after October 1, 2003 (or mailed with a certificate of mailing on or after October 1, 2003), t issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and t response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to t issue fee now due, then the difference between the issue fee amount at the time the response is filed and t previously-paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eigh Edition, August 2001).

Effective October 1, 2003, 37 CFR 1.18 is amended by revising paragraphs (a) through (c) to read as set forth below

Section 1.18 Patent post allowance (including issue) fees.

(a) Issue fee for issuing each original or reissue patent, except a design or plant patent:

(b) Issue fee for issuing a design patent:

By other than a small entity......\$640.00

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of t Office of Patent Publication at (703) 305-8283.